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(54) Method and system for providing resource access in a mobile environment

(57) The present invention relates to methods and systems that facilitate participation of mobile devices in accessing resources over a data network, the data network being wired, wireless or some combination thereof. A host server (420) causes changes made to a mobile device menu structure (422) to be displayed on a display screen of a personal computer, the image representa-

tion comprising contents that can be similarly displayed on the display screen of the mobile device. The host server in conjunction with a menu database (426) generates an updated image representation whenever the contents are updated. Thus, similar navigation experiences on both mobile devices and personal computers are provided.

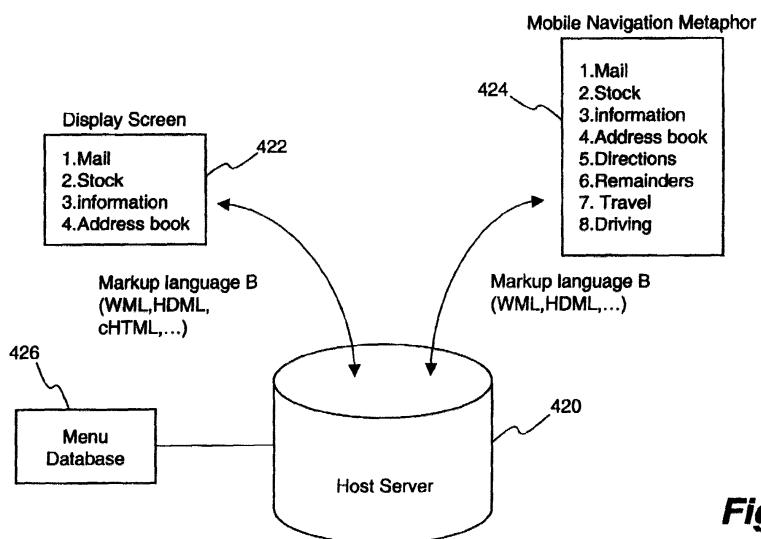


Fig. 4B



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EUROPEAN SEARCH REPORT

Application Number
EP 00 30 8078

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
| A | WO 97 49044 A (EDWARDS NICHOLAS HECTOR ; GARNER PAUL (GB); RUSS MARTIN (GB); BRITI) 24 December 1997 (1997-12-24) * page 4, line 5 - line 13 * * page 6, line 17 - page 7, line 18 * * page 27, line 1 - line 22 * * claims 1-34 * ---- | 1-9,13, 14 | G06F17/30 |
| A | GB 2 331 600 A (IBM) 26 May 1999 (1999-05-26) * page 3, line 19 - page 5, line 8 * * page 10, line 1 - line 10 * * page 14, line 5 - line 12 * * claims 1-25 * ---- | 1-9,13, 14 | |
| A | BICKMORE T W ET AL: "Digestor: device-independent access to the World Wide Web" COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, vol. 29, no. 8-13, 1 September 1997 (1997-09-01), pages 1075-1082, XP004095305 ISSN: 0169-7552 * the whole document * ---- | 1-9,13, 14 | |
| X | GREG HEWGILL: "Copilot user's manual" COPILOT USER'S MANUAL VERSION 1.0 BETA 9, 'Online! XP002209177 Retrieved from the Internet: <URL:www.hewgill.com/pilot/copilot/copilot.html> 'retrieved on 2002-08-01! * page 1, paragraph 1 * * page 2, paragraph 6 * ---- | 10 | G06F TECHNICAL FIELDS SEARCHED (Int.Cl.7) |
| The present search report has been drawn up for all claims | | | |
| Place of search | Date of completion of the search | Examiner | |
| THE HAGUE | 8 August 2002 | Plak, M | |
| CATEGORY OF CITED DOCUMENTS | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |



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Application Number
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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-9,13,14

Method to improve the customization of menus on a mobile device.

2. Claims: 10-12

Mobile navigation metaphore on a screen of a personal computer.

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 00 30 8078

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-08-2002

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| GB 2331600 | A | 26-05-1999 | US CN JP JP TW | 6167441 A 1225479 A 3184802 B2 11194983 A 449707 B | 26-12-2000 11-08-1999 09-07-2001 21-07-1999 11-08-2001 |